

ABSTRACT

A load-sensing element is formed from a block of substantially rectangular cross section which is braced on a first end and which is adapted to receive a load to be measured on a second end. The block is pierced by an opening which is shaped such that at least two joints are created on each of a top side of the block and an underside of the block. The two joints on one of the top side and lower side of the block are offset from one another so as to compensate for a force eccentricity which occurs upon non-central introduction of the load to be measured. And a single strain gauge is disposed on the block in a vicinity of one of the offset joints.